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ATTORNEY DOCKET NO. 14014.0252U3
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of)	
)	
Chiorini <i>et al.</i>)	Art Unit: 1633
)	
Application No. 10/719,311)	Examiner: Kaushal, S.
)	
Filing Date: November 20, 2003)	Confirmation No. 3284
)	
For: AAV4 VECTOR AND USES THEREOF)	

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

NEEDLE & ROSENBERG, P.C.
Customer Number 36339

Sir:

Pursuant to the requirements of 37 C.F.R. § 1.56, submitted herewith on the accompanying Supplemental Information Disclosure Statement List is a listing of documents known to Applicants and/or their attorneys. In accordance with 37 C.F.R. § 1.98(a)(2), copies of any cited U.S. patent or U.S. patent application publication documents are not enclosed. Copies of any cited foreign patent document and/or any non-patent publication are enclosed.

In accordance with the provisions of M.P.E.P. § 2001.06(b) and 37 C.F.R. § 1.98(b)(3), Applicants would like to bring to the attention of the Examiner the existence of the co-pending patent application(s) identified below, which were filed in the United States Patent and Trademark Office:

405590

ATTORNEY DOCKET NO. 14014.0252U3
Application No. 10/719,311

	<u>Application No.</u>	<u>Date Filed</u>	<u>Inventors</u>	<u>Attorney Docket No.</u>
1.	*10/557,662	Nov 21, 2005	Bossis	14014.0412U2
2.	*10/581,228	Jun 2, 2006	Chiorini	14014.0417U2

The pending application(s) identified with an asterisk (*) are stored in the Image File Wrapper (IFW) system of the USPTO. Accordingly, copies of the cited specification(s), including the claims and drawings thereof, are not enclosed in accordance with the waiver to 37 CFR 1.98(a)(2)(iii) dated September 21, 2004.

Consideration of the cited documents and making the same of record in the prosecution of the above-referenced application are respectfully requested.

This Information Disclosure Statement is believed to be filed in a timely manner pursuant to 37 C.F.R. § 1.97(c), in that neither a final Office Action nor a Notice of Allowance has been mailed to Applicants. Accordingly, Applicants enclose the fee required under 37 C.F.R. § 1.97(c)(2)



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Credit Card Payment Form PTO-2038 authorizing payment in the amount of \$180.00, representing the fee under 37 C.F.R. § 1.17(p), is enclosed. This amount is believed to be correct; however, the Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 14-0629.

Respectfully submitted,
NEEDLE & ROSENBERG, P.C.

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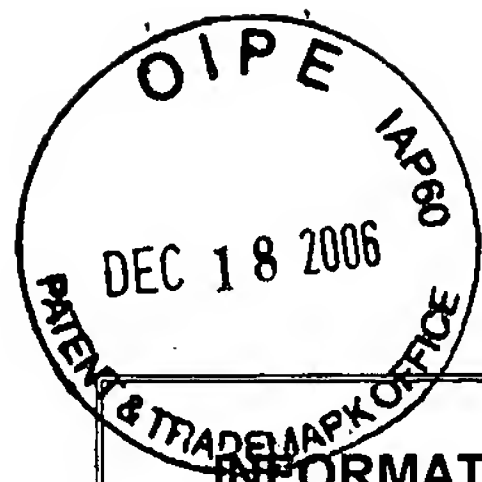
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CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.8

I hereby certify that this correspondence, including any items indicated as attached or included, is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date indicated below.

P. Brian Giles, Ph.D.

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ATTORNEY DOCKET No.: 14014.0252U3

APPLICATION No.: 10/719,311

SHEET 1 OF 15

INFORMATION DISCLOSURE STATEMENT LIST

(Use as many sheets as necessary)

Complete if Known

Application Number	10/719,311
Filing Date	November 20, 2003
First Named Inventor	Chiorini et al.
Group Art Unit	1633
Examiner Name	Kaushal, S.

U.S. PATENT DOCUMENTS

Examiner's Initials	Cite No.	Document No.	Date	Name	Class	Subclasses	Filing Date (if appropriate)
	B1	6,146,874	Nov 14 2000	Zolotukhin et al.			
	B2	6,180,613	Jan 30 2001	Kaplitt et al.			
	B3	6,221,349	Apr 24 2001	Couto et al.			
	B4	6,309,634	Oct 30 2001	Bankiewicz et al.			
	B5	6,391,858	May 21 2002	Podsakoff et al.			
	B6	6,485,976	Nov 26 2002	Nadler et al.			
	B7	6,855,314	Feb 15 2005	Chiorini et al.			
	B8	6,984,517	Jan 10 2006	Chiorini et al.			
	B9	2002/0076754 A1	Jun 20 2002	Sun et al.			
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	B11	2004/0110266 A1	Jun 10 2004	Chiorini et al.			
	B12	2004/0115789 A1	Jun 17 2004	Meruelo et al.			
	B13	2005/0255089 A1	Nov 17 2005	Chiorini et al.			

FOREIGN PATENT DOCUMENTS

Examiner's Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code	Date	Name	Translation Yes/No
	B14	DE 44 36 664 A1	Jul 04 1996	Heilbronn, R.	YES
	B15	EP 1 310 571	May 14 2003	Gao et al.	
	B16	WO 1993/24641 A	Dec 09 1993	Carter et al.	
	B17	WO 1995/11997 A	May 04 1995	Kern et al.	
	B18	WO 1996/15777 A	May 30 1996	Wiener et al.	
	B19	WO 1997/06272	Feb 20 1997	Natsoulis, Georges	
	B20	WO 1998/41240 A	Sept 24 1998	High et al.	
	B21	WO 1998/45462 A	Oct 15 1998	Ciliberto et al.	
	B22	WO 1999/61601 A	Dec 02 1999	Chiorini et al.	
	B23	WO 2000/26254	May 11 2000	Kleinschmidt, et al.	NO (ISR attached)
	B24	WO 2000/28061	May 18 2000	Wilson et al.	
	B25	WO 2001/70276 A	Sep 27 2001	Chiorini et al.	
	B26	WO 2001/83692	Nov 08 2001	Hildinger et al.	
	B27	WO 2003/093479	Nov 13 2003	Muzyczka et al.	
	B28	WO 2004/112727A	Dec 29 2004	Avigen, Inc. et al.	
	B29	WO 2005/017101	Feb 24 2005	Bossis et al.	

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				Group Art Unit	1633
				Examiner Name	Kaushal, S.
	B30	WO 2005/056807 A	Jun 23 2005	Chiorini et al.	
	B31	WO 2006/029196	Mar 16 2006	Chiorini et al.	
	B32	WO 2006/119432	Nov 09 2006	Schmidt et al.	
NON-PATENT DOCUMENTS					
Examiner's Initials	Cite No.	Non-Patent Citations (include Author, Title, Publisher, Relevant Pages, Date and Place of Publication)			
	B33	Alexander et al., "DNA-Damaging Agents Greatly Increase the Transduction of Nondividing Cells by Adeno-Associated Virus Vectors," December 1994, <i>J. Virol.</i> , 68(12):8282-8287.			
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	B35	Alisky J.M. and Tolbert D.M., "Differential labeling of converging afferent pathways using biotinylated dextran amine and cholera toxin subunit B," 1994, <i>Journal of Neuroscience Methods</i> , 52:143-148.			
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		Group Art Unit	1633
		Examiner Name	Kaushal, S.
	B48	Bartlett, J.S., Wilcher, R. and Samulski, R.J., "Infectious entry pathway of adeno-associated virus and adeno-associated virus vectors," 2000, <i>J Virol</i> , 74:2777-2785.	
	B49	Ben-Israel, H. and Kleinberger, T., "Adenovirus and cell cycle control," 2002, <i>Front Biosci</i> , 7:d1369-1395.	
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	B60	Casto, B. C., R. W. Atchison, and W. M. Hammon, "Studies on the relationship between adeno-associated virus type I (AAV-1) and adenoviruses. I. Replication of AAV-1 in certain cell cultures and its effect on helper adenovirus," 1967a, <i>Virology</i> , 32:52-59.	
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			Group Art Unit	1633
			Examiner Name	Kaushal, S.
	B66	Chejanovsky, N. and B.J. Carter, "Replication of a human parvovirus nonsense mutant in mammalian cells containing an inducible amber suppressor," 1989a, <i>Virology</i> , 171:239-247.		
	B67	Chiorini JA, Afione S, Kotin RM, "Adeno-associated virus (AAV) type 5 Rep protein cleaves a unique terminal resolution site compared with other AAV serotypes," 1999a May, <i>J Virol</i> , 73(5):4293-4298.		
	B68	Chiorini JA, Kim F, Yang L, Kotin RM, "Cloning and characterization of adeno-associated virus type 5," 1999b, Feb., <i>J Virol.</i> , 73(2):1309-1319, XP-002125035		
	B69	Chiorini, J.A., C.M. Wendtner, E. Urcelay, B. Safer, M. Hallek, and R.M. Kotin, "High-efficiency transfer of the T cell co-stimulatory molecule B7-2 to lymphoid cells using high-titer recombinant adeno-associated virus vectors," 1995, <i>Human Gene Therapy</i> , 6:1531-1541.		
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	B75	Coria et al., "Isolation and identification of a bovine adenovirus type 3 with an adenovirus-associated virus", 1978, <i>American Journal of Veterinary Research</i> , 39(12):1904-1906, XP009050511.		
	B76	Crystal RG, "Transfer of genes to humans: early lessons and obstacles to success," 1995, <i>Science</i> , 270(5235):404-410.		
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	B79	Deonarain MP, "Ligand-targeted receptor-mediated vectors for gene delivery," <i>Molecular Conjugate Vectors</i> , 1998, 8(1):53-69.		
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	B82	Di Pasquale, G., and J. A. Chiorini, "PKA/PrKX activity is a modulator of AAV/adenovirus interaction," 2003, <i>EMBO J</i> , 22:1716-1724.		

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	B83	Di Pasquale, G., B. L. Davidson, et al., "Identification of PDGFR as a receptor for AAV-5 transduction," 2003, <i>Nat Med</i> 9(10):1306-1312.		
	B84	Dixit, M., M.S. Webb, W.C. Smart, and S. Ohi, "Construction and expression of a recombinant adeno-associated virus that harbors a human <i>beta</i> -globin-encoding cDNA," 1991, <i>Gene</i> 104:253-257.		
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	B86	Duan, D., Yue Y., Yan Z., McCray PBJr, and Engelhardt JF., "Polarity influences the efficiency of recombinant adenoassociated virus infection in differentiated airway epithelia," 1998, <i>Hum Gene Ther</i> , 9:2761-2776.		
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	B89	During MJ, Leone P, "Adeno-associated virus vectors for gene therapy of neurodegenerative disorders," 1995-96, <i>Clin Neurosci</i> , 3(5):292-300, XP-002125034		
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	B93	Fisher, R.E., H.D. Mayor, "The evolution of defective and autonomous parvoviruses," 1991, <i>J Theor Biol</i> 149:429-439.		
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	B96	Flotte, T.R., S.A. Afione, C. Conrad, S.A. McGrath, R. Solow, H. Oka, P.L. Zeitlin, W.B. Guggino, and B.J. Carter, "Stable <i>in vivo</i> expression of the cystic fibrosis transmembrane conductance regulator with an adeno-associated virus vector," 1993, <i>Proc. Natl. Acad. Sci.</i> , 90:10613-10617.		
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	B98	Frolenkov GI, Belyantseva IA, Friedman TB, Griffith AJ, "Genetic insights into the morphogenesis of inner ear hair cells," 2004, <i>Nat Rev Genet</i> , 5:489-498.		

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	B99	Gao, G., L. H. Vandenberghe, M. R. Alvira, Y. Lu, R. Calcedo, X. Zhou, and J. M. Wilson, "Clades of Adeno-associated viruses are widely disseminated in human tissues," 2004, <i>J Virol</i> , 78:6381-6388.		
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	B101	GenBank Accession number AY186198		
	B102	Georg-Fries B, Biederlack S, Wolf J, zur Hausen H, "Analysis of proteins, helper dependence, and seroepidemiology of a new human parvovirus," 1984, <i>Virology</i> , 134(1):64-71, XP002027460.		
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			Examiner Name	Kaushal, S.
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			First Named Inventor	Chiorini et al.
			Group Art Unit	1633
			Examiner Name	Kaushal, S.
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